

IN THE CLAIMS:

1. (currently amended) A pest controller comprising:

a portable container holding a chemical substance therewithin,

~~the container attachable to a user so as to follow movement of a user without the portable container having to be held by a user,~~

wherein the container comprises a substance exposing portion for exposing the chemical substance held therein to atmospheric air, and a cover ~~for sealing that is~~ repositionable to selectively seal and make the substance exposing portion open;

the chemical substance containing an active ingredient with a pest-controlling effect, and

the active ingredient being volatilizable at a normal atmospheric temperature and as an incident of being exposed to atmospheric air,

the pest controller further comprising attachment structure to attach the portable container to a user in a manner whereby: a) the portable container follows movement of a user without the portable container having to be held by a user; and b) the substance exposing portion is directly exposed to atmospheric air so that with the cover positioned to expose the substance exposing portion, the chemical substance acts to control pests around a user to which the portable container is attached.

2. (previously presented) The pest controller as defined in claim 1, wherein the chemical substance is contactable with atmospheric air at the substance exposing portion so as to be released into the air therefrom when the cover is open.

3. (previously presented) The pest controller as defined in claim 1, wherein the substance exposing portion is provided with an applicator for applying the chemical substance onto a body.

4. (previously presented) The pest controller as defined in claim 1, wherein the substance exposing portion is constituted by a member selected from a group consisting of a porous body, a fibrous bundle and a member with a through-hole, so that the chemical substance is exposed on a surface thereof.

5. (previously presented) The pest controller as defined in claim 1, wherein the substance exposing portion is constituted by a member selected from a group consisting of a ball and a roller both being rotatable.

6. (previously presented) The pest controller as defined in claim 1, wherein the chemical substance is directly held within the container.

7. (previously presented) The pest controller as defined in claim 1, wherein the chemical substance has a fluidity; and

wherein the container further comprises a substance storage containing the substance and a substance lead-out member provided between the substance storage and the substance exposing portion so as to lead the substance out of the substance storage through the substance lead-out member to the substance exposing portion.

8. (previously presented) The pest controller as defined in claim 1, wherein the container accommodates a substance retaining member;

the chemical substance being capable of flowing, and retained in the substance retaining member.

9. (previously presented) The pest controller as defined in claim 8, wherein the substance retaining member is made of fiber.

10. (previously presented) The pest controller as defined in claim 1, wherein the container further comprises a storage tank and a temporary receptacle for the chemical substance.

11. (previously presented) The pest controller as defined in claim 1, wherein the container is of a cylindrical shape; and

wherein the substance exposing portion is placed at an end of the container of cylindrical shape.

12. (previously presented) The pest controller as defined in claim 1, wherein the container further comprises a container body holding the chemical substance therewithin;

wherein the body accommodates a substance retaining member adapted to absorbing the chemical substance,

the substance retaining member soaked with the chemical substance; and

wherein the body is provided with the substance lead-out member adapted to leading the chemical substance out of the body;

a proximal part of the substance lead-out member being in contact with the substance retaining member and a distal part of the lead-out member being exposed out of the body.

13. (previously presented) The pest controller as defined in claim 1, wherein the substance exposing portion is adapted to adjusting an exposing area of the chemical substance.

14. (previously presented) The pest controller as defined in claim 1, wherein the substance exposing portion has a window, an opening area of which is changeable.

15. (previously presented) The pest controller as defined in claim 1, wherein the container further comprises a container body holding the chemical substance therewithin, so as to hold a liquid chemical substance with a fluidity within; and

wherein the body is provided with a substance lead-out member adapted to lead the chemical substance out of the body and a valve system;

the valve system being open by a predetermined operation, whereby the chemical substance inside creeps through the substance lead-out member so as to be exposed out of the body.

16. (previously presented) The pest controller as defined in claim 1, wherein the chemical substance has a proximal end and the container further comprises a substance holder holding the chemical substance with fluidity in a sealing condition therewithin;

the substance holder having a follower at the proximal end of the chemical substance and moving according to a consumption of the chemical substance.

17. (original) The pest controller as defined in claim 16, wherein the follower is gel.

18. (previously presented) The pest controller as defined in claim 1, wherein the container further comprises a container body holding the chemical substance therewithin so as to hold a liquid chemical substance with a fluidity therewithin;

wherein the body is provided with a substance lead-out member adapted to leading the chemical substance out of the body; and

wherein to the substance lead-out member a substance releasing member separately provided is attachable, the substance releasing member configured and sufficiently flexible that it is capable of being wound up or folded to be compacted during non-use.

19. (previously presented) The pest controller as defined in claim 1, wherein the container further comprises a container body holding the chemical substance therewithin and an attachment detachable from the body and attachable to the body in at

least two ways of attachment, so as to hold a liquid chemical substance with a fluidity therewithin; and

wherein the body is provided with a substance lead-out member adapted to leading the chemical substance out of the body;

the attachment being provided with a cover for sealing the substance lead-out member, and a substance releasing member for helping release of the chemical substance;

the substance lead-out member being sealed by attaching the attachment to the container body in one particular position;

the chemical substance being supplied to the substance releasing member from the substance lead-out member so as to be exposed to ambient air by attaching the attachment to the container body in another particular position;

the attachment having spaced ends each of which is selectively attachable to the container body;

the attachment in the one particular position with one of the spaced ends of the attachment attached to the container body;

the attachment body in the another particular position with the other of the spaced ends of the attachment attached to the container body.

20. (previously presented) The pest controller as defined in claim 1, wherein the container has a deformable portion so that the chemical substance inside the container will be brought out by pressing the deformable portion.

21. (previously presented) The pest controller as defined in claim 1, wherein the container has a pressurizer for increasing the inner pressure of the container so that the chemical substance is brought out.

22. (withdrawn) A pest controller comprising a container holding a chemical substance of columnar shape therewithin;

wherein the container has an opening communicating with the inside of container, and a cover for sealing the opening from outside;

the cover being adapted to opening and shutting;

the chemical substance being adapted to be propelled out of the container through the opening;

the chemical substance containing an active ingredient with a pest-controlling effect;

the active ingredient being volatilizable at a normal temperature.

23. (withdrawn) The pest controller as defined in claim 1 or 22, wherein the container further comprises a container body, an operating portion turnable relative to the body, and a screw positioned in the body;

the screw being adapted to turning in response to a turn of the operating portion, so that a force generated by the screw makes the chemical substance be propelled out of the body.

24. (withdrawn) A pest controller comprising:

a solid chemical substance formed in a particular shape and containing an active ingredient with a pest-controlling effect;

the active ingredient being volatilizable at a normal temperature; and

a coat formed on the surface of the chemical substance so as to be exfoliated by a predetermined amount.

25. (withdrawn) A pest controller comprising a container holding therewithin a chemical substance formed in the shape of a rod;

wherein the chemical substance contains an active ingredient with a pest-controlling effect;

the active ingredient being volatilizable at a normal temperature;

wherein the container has a pusher for pressing the chemical substance, and a chuck being adapted to holding and releasing the chemical substance so that the chemical substance is pushed out by pressing the pusher and held by the chuck, thereby the chemical substance is prevented from moving back.

26. (previously presented) The pest controller as defined in claim 1, 22, 24, or 25, comprising a heater for heating the chemical substance.

27. (previously presented) The pest controller as defined in claim 1, 22, 24, or 25, wherein the container further comprises a container body holding the chemical substance therewithin, and a cap being separable from the body and being attached to the body so as to constitute the cover.

28. (cancelled)

29. (previously presented) The pest controller as defined in claim 1, 22, 24, or 25, wherein the container is of a tabular shape; and wherein the substance exposing portion is of a planar shape.

30. (previously presented) The pest controller as defined in claim 1, 22, 24, or 25, wherein the cover for sealing the substance exposing portion comprises a deformable sheet; the sheet being removable, so that the cover of substance exposing portion is detached by removing the sheet.

31. (previously presented) The pest controller as defined in claim 1, 22, 24, or 25, wherein the container is adapted to be directly worn and/or attached to clothes.

32. (cancelled)

33. (previously presented) A pest controller as defined in claim 1, 22, 24, or 25, wherein at least a part of the container is made of biodegradable resin.

34. (withdrawn) A pest controller comprising a main body being portable and attachable to a human body and/or clothes,

wherein the main body has a substance exposing portion for exposing a chemical

substance to outside;

the chemical substance containing an active ingredient with a pest-controlling effect,

the active ingredient being volatilizable at a normal temperature,

the chemical substance being released from the substance exposing portion into an open air.

35. (withdrawn) The pest controller as defined in claim 34, further comprising a cover for sealing the substance exposing portion;

wherein the cover comprises a deformable sheet;

the sheet being removable, so that the cover of substance exposing portion is detached by removing the sheet.

36. (withdrawn) A pest controller comprising a portable and airtight bag, wherein the bag is adapted to release a sealing condition by releasing an airtightness; and

wherein the bag accommodates a fiber soaked with a chemical substance;

the chemical substance containing an active ingredient with a pest-controlling effect against harmful pests for human body,

the active ingredient being volatilizable at a normal temperature.

37. (withdrawn) A pest controller comprising a portable and air-permeable bag,

wherein the bag incorporates a chemical substance;

the chemical substance containing an active ingredient with a pest-controlling effect against harmful pests for human body,

the active ingredient being volatilizable at a normal temperature.

38. (withdrawn) The pest controller as defined in claim 37, wherein the chemical substance is liquid; and

wherein the bag accommodates a substance absorbing member soaked with the chemical substance.

39. (withdrawn) The pest controller as defined in claim 37, wherein the bag is equipped with an attaching member being attachable to a body.

40. (previously presented) The pest controller as defined in claim 1, 22, 24, 25, 34, 36, or 37, wherein the active ingredient has a vapor pressure at 25°C by Donovan method within a range of 1×10^{-5} mmHg to 5×10^{-3} mmHg.

41. (previously presented) The pest controller as defined in claim 1, 22, 24, 25, 34, 36, or 37, wherein the active ingredient is a pyrethroid compound.

42. (Cancelled)

43. (previously presented) The pest controller as defined in claim 1, 22, 24,

25, 34, 36 or 37, wherein the chemical substance contains a sublimable dyestuff.

44. (previously presented) A method for controlling pests with the pest controller as defined in claim 1, 22, 24, 25, 34, 36, or 37 by opening the cover of the pest controller at a spot for pests so as to volatilize the chemical substance containing the active ingredient into the air from the substance exposing portion, thereby getting rid of harmful pests.

45. (previously presented) A method for controlling pests with the pest controller as defined in claim 1, 22, 24, 25, 34, 36, or 37 by contacting the pest controller with a spot for pests to apply the chemical substance on the spot so as to volatilize the chemical substance containing the active ingredient into the air, thereby getting rid of harmful pests.

46. (previously presented) The pest controller as defined in claim 1 wherein the pest controller further comprises a lead-out tube extending within the container that communicates the chemical substance towards the substance exposing portion.

47. (previously presented) The pest controller as defined in claim 46 wherein the lead-out tube comprises an inner tube and an outer tube that surrounds the inner tube.

48. (previously presented) The method for controlling pests with the pest controller as defined in claim 1, the method comprising holding the pest controller in the hand of a user and opening the cover of the pest controller at a spot for pests so as to volatilize the chemical substance containing the active ingredient into the air from the substance exposing portion, thereby getting rid of harmful pests.

49. (previously presented) A method for controlling pests with the pest controller as defined in claim 1, the method comprising holding the pest controller in the hand of a user and contacting the pest controller with a spot for pests to apply the chemical substance on the spot so as to volatilize the chemical substance containing the active ingredient into the air, thereby getting rid of harmful pests.